

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

1. (Currently amended) A targeting moiety comprising a conjugate of an antibody linked to a ligand-binding region of a receptor subunit selected from the group consisting of interleukin-2 receptor α (IL-2R α), interleukin-4 receptor α (IL-4R α), and interleukin-15 receptor α (IL-15R α), ~~which~~ wherein the antibody is specific for a cell marker specific to a targeted cell.
2. (Original) A targeting moiety as claimed in claim 1, comprising a covalent conjugate in which the antibody is covalently linked to the ligand-binding region of the receptor.
3. (Original) A targeting moiety as claimed in claim 1, comprising a fusion protein of the antibody and the ligand-binding region.
4. (Withdrawn) A targeting moiety as claimed in claim 1, comprising a bispecific antibody that has a first specificity for a cell marker specific to a targeted cell and a second specificity for the ligand-binding region.
5. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the antibody is specific to CEA.
6. (Currently amended) A targeting moiety as claimed in claim 1, wherein the antibody is specific to human leukocyte antigen-DR (HLA-DR).
7. (Previously presented) A targeting moiety as claimed in claim 1, wherein the receptor subunit is IL-4R α .
8. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the receptor subunit is IL-15R α .
9. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the antibody is specific to HLA-DR and is linked to the ligand-binding region of IL-15R α .
10. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the antibody is specific to CEA and is linked to the ligand-binding region of IL-15R α .
11. (Currently amended) A targeting moiety as claimed in claim 1, wherein the antibody is specific to human leukocyte antigen-DR (HLA-DR) and is linked to the ligand-binding region of IL-4R α .

12. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the antibody is specific to CEA and is linked to the ligand-binding region of IL-4R α .
13. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the antibody is specific for a cell marker specific to a B-cell.
14. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the antibody is specific for a cell marker specific to a malignant B-cell.
15. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the antibody is specific for a cell marker specific to an activated B-cell.
16. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the antibody is specific for a cell marker specific to a normal B-cell.
17. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the antibody is specific for a cell marker specific to a T-cell.
18. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the antibody is specific for a cell marker specific to a malignant T-cell.
19. (Withdrawn) A targeting moiety as claimed in claim 1, wherein the antibody is specific for a cell marker specific to an activated T-cell.
20. (Original) A composition comprising a targeting moiety according to claim 1, and a pharmaceutically acceptable carrier.
21. (Original) A composition comprising a targeting moiety according to claim 7, and a pharmaceutically acceptable carrier.
22. (Withdrawn) A composition comprising a targeting moiety according to claim 8, and a pharmaceutically acceptable carrier.
23. (Withdrawn) A kit comprising a conjugate of IL-15 linked to a drug, radionuclide or toxin, and a targeting moiety comprising an antibody specific for a cell marker specific to a targeted cell, linked to the ligand-binding region of IL-15R α .
24. (Withdrawn) A kit as claimed in claim 23, wherein the antibody is specific for a cell marker specific to a B-cell.
25. (Withdrawn) A kit as claimed in claim 23, wherein the antibody is specific for a cell marker specific to a malignant B-cell.

26. (Withdrawn) A kit as claimed in claim 23, wherein the antibody is specific for a cell marker specific to an activated B-cell.
27. (Withdrawn) A kit as claimed in claim 23, wherein the antibody is specific for a cell marker specific to a normal B-cell.
28. (Withdrawn) A kit as claimed in claim 23, wherein the antibody is specific for a cell marker specific to a T-cell.
29. (Withdrawn) A kit as claimed in claim 23, wherein the antibody is specific for a cell marker specific to a malignant T-cell.
30. (Withdrawn) A method of treatment for cancer or an immunologically-mediated or infectious disease, comprising:

first administering to a subject in need of such treatment a targeting moiety comprising a antibody specific for a cell marker specific to a targeted cell, linked to the ligand-binding region of IL-15R α , and then administering to the subject a therapeutically effective amount of a conjugate of IL-15 linked to a drug, radionuclide or toxin.
31. (Withdrawn) A method as claimed in claim 30, wherein the antibody is specific for a cell marker specific to a B-cell.
32. (Withdrawn) A method as claimed in claim 30, wherein the antibody is specific for a cell marker specific to a malignant B-cell.
33. (Withdrawn) A method as claimed in claim 30, wherein the antibody is specific for a cell marker specific to an activated B-cell.
34. (Withdrawn) A method as claimed in claim 30, wherein the antibody is specific for a cell marker specific to a normal B-cell.
35. (Withdrawn) A method as claimed in claim 30, wherein the antibody is specific for a cell marker specific to a T-cell.
36. (Withdrawn) A method as claimed in claim 30, wherein the antibody is specific for a cell marker specific to a malignant T-cell.
37. (Withdrawn) A targeting moiety comprising a conjugate of an antibody linked to a ligand-binding region of interleukin-13 receptor α (IL-13R α), which antibody is specific to HLA-DR.

38. (Withdrawn) A composition comprising a targeting moiety according to claim 18, and a pharmaceutically acceptable carrier.